

**CLAIMS**

1. Optical device comprising a mirror and a device actuating the mirror,

characterized in that the mirror and the actuating device are independent concave membranes called membranous mirror and actuating membrane.

14- Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are made totally or partially of a material having shape memory.

15- Optical device according to claim 1 characterized in that, for their folding, the concave actuating membrane and the concave membranous mirror are made quasi plane by the formation of concentric circular undulations obtained by a succession of centred distorsion alternately concave and convex, and the quasi plane one thus obtained rolled up on itself according to a diameter.

18- Optical device according to claim 1 characterized in that the actuating membrane and the membranous mirror are obtained by material deposit on a liquid contained in a container rotating around a vertical axis.

19- Optical device according to claim 1 characterized in that the membranous mirror and the actuating membrane have central and/or peripheral flanges

44- Optical device according to claim 1 characterized in that the distance between the actuating membrane and the membranous mirror is monitored permanently by capacitive coupling between said actuating membrane and said membranous mirror.